

A. Authors, Institutions, Overview

- ① 1. Title** – Enter a title, beginning with a descriptive reference to the specimen material or other characteristics specific to this data record, e.g. "Polyvinyl Acetate Degradation During XPS Measurements. \*Please refrain from using titles beginning with the name of the spectroscopy, e.g. avoid titles like "AES Study of . . ."

Cu Cl by XPS

- ① 2. Authors, Institutions, and Locations (city, state, province, or country)** – List authors and affiliations, in order of appearance in SSS.

<u>Richard P. Vasquez</u>	<u>Jet Propulsion Laboratory</u>	<u>Pasadena CA 91109-3099</u>
Author	Institution	Location

- ① 3. Abstract** – Summarize and include key information about the specimens and spectra, such as specimen material, measurement procedures, and significance of the research. The abstract will be reprinted verbatim.

X-ray photoemission measurements of high purity CuCl are presented. XPS studies of Cu compounds have been motivated in this laboratory by the need to identify species on high temperature superconductor surfaces which have been chemically etched (e.g. see Ref. 1).

- ① | 9. Key Words - List selected phrases and words to help readers search for information in the database, e.g. Auger electron spectroscopy, oxidation, corrosion, surface segregation. Be selective, but thorough.

X-ray photo emission, copper (I) chloride, copper compounds

- ① | 10. Spectra Category - Check the suggested category of the data record: Technical, Comparison, or Reference (see the overview of instructions for definitions). The editors may suggest an alternate category, based on the recommendations of referees.

Technical  Comparison  Reference

- ③ | 11. References - List citations to articles related to the data record using the style of J. Vac. Sci. Technol.

I. R. P. Vasquez, M. C. Foote, and B. D. Hunt, J. Appl. Phys.  
66, 4 866 (1 989),

- ⑥ | 12. Acknowledgements

This work was supported by NASA/CACI and BMDO/ES

Monday 11/29/1993  
12:55:00

CuCl compressed onIn

Oper: RPV Groups: B Res: 4 Spot: 1000 u

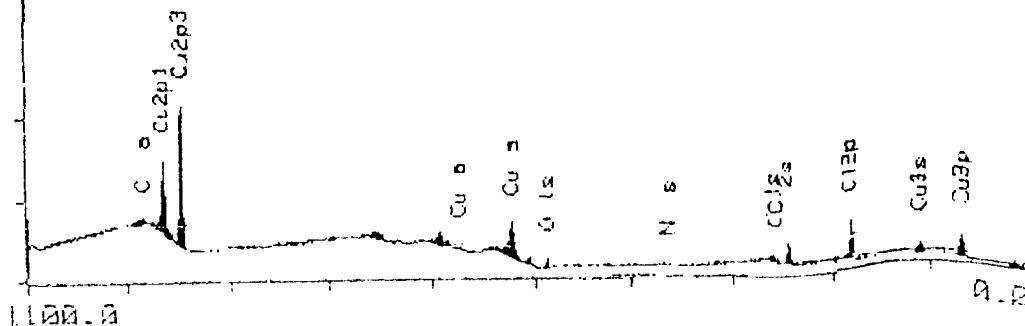
(1) CuCl\_1

# of Scans  
Flood Gun  
ev  
Counts

8.3  
1898,yy  
4377

DATA 5

Survey



SURFACE COMPOSITION TABLE  
CuCl\_1  
CuCl compressed onIn

Elem	Corr'd BE	Flood Gun	Delta BE	Sens Factor	# of Scans	eV/ group	Area	Relative Area	Atom %
C12p	199.03	0.0	1.97	2.385	1	137.5	12820	574996	37.02
c 1s	284.92	0.0	-.32	1.000	1	137.5	2750	290684	18.71
N 1s	402.16	0.0	-3.16	1.678	1	137.5	48026	3.09	
o 1s	532.28	0.0	-.28	2.494	1	137.5	46884	122866	7.91
Cu2p3	932.45	0.0	-1.45	9.748	1	137.5	516676		33.16